



**4<sup>th</sup> CINT Users Workshop**  
**Hyatt Hotel, Albuquerque, NM**  
**January 12-13, 2006**  
**Agenda**

*This workshop is dedicated to **Richard Smalley**, brilliant scientist, passionate supporter of nanoscience, and founding member of the CINT Governance Board*

**Wednesday Evening, January 11, 2006**

*Hyatt Hotel, Fiesta Room*

7-9 Registration & Reception

**Thursday Morning, January 12, 2006**

*Hyatt Hotel, Pavilion I-III*

7:30 Continental Breakfast and Registration

8:30 Welcome – Julia Phillips, CINT Director  
Opening Remarks – Terry Wallace, Associate Director for Strategic Research, Los Alamos National Laboratory

8:45 Plenary Speaker, Keith Schwab, National Security Agency, University of Maryland  
*Exploring Quantum Mechanics with Integrated Nano-Devices*

9:45 CINT Overview - Toni Taylor, CINT Associate Director

10:20 Break

10:40 CINT Science Vision – Tom Picraux, CINT Chief Scientist

11:15 CINT User Program – Neal Shinn, CINT User Program Manager  
*Transition to Normal Operations; Capabilities*  
*Becoming a CINT User; Q&A*

12:00 Lunch

*Pavilion VI*

**Thursday Afternoon, January 12, 2006**

1:30 Discovery Platform™ Status/Plans/Discussion - Mike Lilly, CINT Thrust Leader

2:30 CINT Scientists; Introduction of new staff - Julia Phillips, CINT Director

2:50 CINT and Sandia National Laboratories – Rick Stulen, Vice President for Science and Technology & Research Foundations, Sandia National Laboratories

3:00 CINT EXPO (posters & discussions)

5:45 Buses Depart for Dinner, *hotel entrance*

6:00-10:00 Workshop Dinner, *New Mexico Museum of Natural History & Science*

6:00-6:30	Cocktails (cash bar)
6:30-7:10	Movie in Dyna Theater (Everest) or walk the museum exhibits
7:00-8:30	Dinner
8:30-9:00	Speaker, James Heath – Reminiscences on Rick Smalley
9:00-10:00	Walk museum exhibits
10:00	Buses depart for hotel

*\*\*Please note that there is no smoking in the museum facility or on museum property (this includes outside areas)  
Also, please do not bring drinks into the museum exhibits.*

### **Friday Morning, January 13, 2006**

*Hyatt Hotel, Pavilion I-III*

7:30 Continental Breakfast

8:30 Plenary Speaker, James Heath, California Institute of Technology  
*NanoSystems Biology for In Vitro and In Vivo Diagnostics*

9:30 User Science – Sanjay Krishna, University of New Mexico  
*Dynamics and Devices based on Nanoscale Quantum Dots and Superlattices*

10:00 Break

10:15 User Science – Joshua Zide, University of California, Santa Barbara  
*Optical and terahertz characterization of semimetallic nanoparticles epitaxially embedded in III-V semiconductors*

10:45 User Executive Committee Report – Atul Parikh, University of California, Davis  
CINT Users Executive Committee

11:00 Open User Meeting; Q&A; Wrap-up

11:15 Pre-tour Briefing – Bill Hendrick, CINT Project Manager

11:30 Box Lunch – Informal discussions: Discovery Platforms, User Proposals, etc.

### **Friday Afternoon, January 13, 2006**

12:15 Buses depart for CINT Core Facility Tour (Albuquerque, NM)

2:00 Buses return to airport and hotel